

Luminact Pty Ltd
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18 December 2023

Mobile Retransmission System Project - Acquisition Contract - CASG/JSD/CON24176/1 - Public AIC Plan

1.1 Company Details

- 1.1.1** The company details are:
- a. **company name:** Luminact Pty Ltd;
 - b. **address:** Level 21, 567 Collins Street, Melbourne VIC 3000
 - c. **website details:** <http://www.luminact.com.au>

1.2 Executive Summary

- 1.2.1** This Public Australian Industry Capability (AIC) Plan relates to the Mobile Retransmission System Project - Acquisition Contract - CASG/JSD/CON24176/1 - Public AIC Plan.
- 1.2.2** A Mobile Retransmission System (MRS), capable of supporting Battle Group (BG) and below range extension requirements, is required to support Commanders in maintaining effective command and control of tactical force elements.
- 1.2.3** This MRS capability will be deployable across the Brigade (BDE), transported in a range of Australian Defence Force (ADF) Platforms. The system will also be able to be operated in a dismounted Command Post (CP) role.
- 1.2.4** This MRS system will consist of a Primary Retransmission Subsystem (PRS), providing 4 radio channels (2 RTx nets) in one configuration, and a Secondary Communications Subsystem (SCS), capable of housing two radios (selected from a list of supported radios) in variable configuration.
- 1.2.5** The MRS will be a modular system able to be powered from external power in addition to providing an internal power source when external power fails or is unavailable. Both the PRS and SCS shall be able to be powered from the internal power source simultaneously.
- 1.2.6** The PRS functionality will feature two RTx nets, with each RTx net consisting of a pair of L3Harris AN/PRC-152 or AN/PRC-152A radios with amplifiers and cabling. The PRS will include Radiofrequency (RF) amplifiers capable of providing adjustable RF output power up to 50 watts. The radios are typically on different frequencies and may be operating the same or different waveforms. The PRS is to be present in all MRS systems.
- 1.2.7** The SCS functionality is an additional subsystem to the MRS which shall be configurable to fit a variety of non-amplified radios with battery eliminators and associated mounting trays, allowing for a retransmission detachment to deploy the following additional radios: RT-1915 (EPLRS), AN/PRC-117G, AN/PRC-158, AN/PRC-163 and AN/PRC-167.
- 1.2.8** The MRS contract with Luminact will provide the ADF with a quantity of 84 ground-based modular MRS sets. In addition to the acquisition of the MRS units (the Mission System), this procurement activity includes the implementation of the Support System capability, that will then be managed under the related Support Contract.
- 1.2.9** The Contract Price is AUD\$15,296,662 (incl. GST) and the overall Prescribed Australian Contract Expenditure (ACE) Percentage for the Contract is 95%.

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- 1.2.10** The Acquisition Contract commencement date was 19 May 2023 and the term 25.5 months with a forecast completion date of 24 June 2025.
- 1.2.11** The MRS project was agreed (prior to contract signature) to be aligned with the following SICP: *SICP - Information warfare and cyber capability*.
- 1.2.12** The following activities for MRS Acquisition Contract are considered Australian Industry Activities and shall be undertaken by Australian industry;
 - a. Management of the delivery of the Contract acquisition Outcomes; and
 - b. Provision of elements of the Supplies from Australian Entities.

1.3 Subcontracted Work

- 1.3.1** Luminact has or intends to subcontract specialised services, fabrication, painting and surface treatments, cables, logistic services (including training), power distribution and management components, RF components and ruggedised cases to Australian Industry.
- 1.3.2** The total forecast value of Subcontracts (in Australian dollars at Base Date) is \$12million which includes suppliers and includes Subcontracts that have already been signed.
- 1.3.3** The ACE, as a percentage of the total forecast value of the Subcontracts is >95%.
- 1.3.4** There is only one AIC Subcontractor who meets the contracted definition of an AIC Subcontractor, and this is REDARC Defence and Space PTY LTD (RDS), who are located in Adelaide, South Australia. RDS is responsible for the development and manufacture of the power distribution and management components 'Power Supply Assembly' in the Power Distribution Subsystem (PDS) in accordance with the allocated specification.
- 1.3.5** Northstar Projects Pty Ltd, Neoplexus Pty Ltd and LES Pty Ltd are Subcontractors in the current MRS supply chain that are Small to Medium Enterprise.

1.4 Creation, Enhancement and Maintenance of Australian Industry Capabilities

- 1.4.1** Luminact will conduct multiple market testing and procurement activities as part of the MRS program. All procurement actions will be in line with commitments made to AIC under the MRS Acquisition Contract
- 1.4.2** Luminact will select potential partners based on their ability to deliver, their AIC status and the extent to which they can be defined as ACE, and other criteria such as quality, performance, and price. We will source suppliers from our existing network, from Supply Nation (and other dedicated databases), and from the Australian defence industry guide (published by Australian Defence Magazine annually).
- 1.4.3** As a member of Australian Industry & Defence Network Victoria (AIDN-Vic), Luminact may also utilise this network to advertise and engage with local industry, to further explore opportunities for suppliers that are aligned with our values, and that contribute to the enhancement of local industry and sovereign capability.
- 1.4.4** Luminact has been fostering a relationship with the New Zealand Ministry of Defence through provision of specialised services and will continue to do so into the future.
- 1.4.5** Luminact is helping maintain Australian manufacture and Defence product suppliers, such as the relationship with RDS (as an AIC Subcontractor for MRS). RDS has a stable commercial industry and has entered the global supply chain with their existing product base and further entered the Defence and Space sector in 2015.

1.5 Future Work Opportunities

- 1.5.1** The following work opportunities have yet to be contracted (or are yet to enter a procurement process): specialised services, fabrication, painting and surface treatments, cables, RF components and ruggedised cases.
 - a. Various RF Components: this may include connectors, earth straps, earth stakes, lightning arrestors and other components.

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- b. Metal Fabrication: MRS cases contain frames that are used to mount specific equipment, and these are designed by Luminact.
- a. Painting and Surface Treatments: The MRS cases contain frames that are used to mount specific equipment, that need painting / surface treatment, and these are designed by Luminact.
- b. Ruggedised Cases: The MRS uses ruggedised cases for the sub-system and ancillaries.
- c. Specialised Services (various): Services such as E3 and FEA for smaller scoped ad-hoc activities on and as required basis.
- d. if applicable, the location(s) where it is required or desirable for the work to be performed (eg, if installation work is required to be performed on a Defence base).

1.6 Market Engagement

- 1.6.1** Luminact will conduct multiple market testing and procurement activities as part of the MRS program, in order to source goods and services in accordance with our internal procurement policy.
- 1.6.2** All procurement actions will be in line with the guidelines in our policy, as well as the commitments made to AIC under the MRS Acquisition Contract. In addition, they will be conducted fairly, and evaluated against pre-determined criteria that aligns with the commercial and financial imperatives of the business, and by extension the Commonwealth.
- 1.6.3** Luminact is providing the indicative earliest start date for the following procurement activities that have yet to be selected:
 - a. Various RF Components: Luminact will conduct a market test to identify suitable suppliers of RF components, connectors and items. This may include various approaches to market for each component or groups of components. To be released to the market on an as required basis from January 2024.
 - b. Metal Fabrication: Luminact will conduct a market test to identify suitable fabricators of metal components to Luminact drawings and specifications. To be released to the market on an as required basis from January 2024. Preferably a Melbourne based supplier.
 - c. Painting and Surface Treatments: Luminact will conduct a market test to identify suitable fabricators of metal components to Luminact drawings and specifications. This may include various approaches to market. To be released to the market on an as required basis from January 2024. Preferably a Melbourne based supplier.
 - d. Ruggedised Cases: Luminact will conduct a market test to identify suitable suppliers. After the market test Luminact may need to release a limited RFT to pre-qualified suppliers for this work package. However, Luminact intends to assess available suppliers during the market test and shortlist suppliers. Lead times, availability of existing information and suitability of off the shelf items will be considered. Multiple contracts may transpire. RFT to be released to the market on an as required basis from February 2024.
 - e. Specialised Services (various): Services such as E3 and FEA for smaller scoped ad-hoc activities on and as required basis. Will be released through various methods such as industry forums, professional networks, and the Contractor's webpage.

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- 1.6.4** Industry can contact Luminact through the MRS email address (MRS@luminact.com.au) with details of any queries and register interest.

Yours faithfully,

Andrew Skinner

MRS Contractor Representative

Director and Co-founder of Luminact

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